Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Sunday 13 Feb 2022 until 23:59 on Monday 14 Feb 2022

Forecast Issued on Saturday 12 Feb 2022 at 10:39

Confidence: High confidence for a period of unsettled, windy and often wet weather, but lower confidence for details, especially in relation to timings and also amounts of rain next week.

Headline for Sunday 13 Feb 2022: A mostly wet and rather windy day.

Mountain weather hazards on Sunday 13 Feb 2022

Blizzards
No Likelihood

Gales
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
Low Likelihood

Heavy persistent rain
High Likelihood

Storm force winds
No Likelihood

Poor visibility
High Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Heavy Rain	Light rain	Heavy Rain	Heavy Rain	Light rain	Light rain	Mist
Precipitation probability							
20%	50%	>95%	>95%	90%	80%	40%	20%

Forecast for Sunday 13 Feb 2022

Weather: Any clear spells in early hours won't last long, with cloudy thickening to bring outbreaks of rain, some heavy. Then a wet day with heavy rain and extensive low cloud, but rain becoming lighter and turning more showery in the afternoon and drier in evening with a few cloud breaks and clear spells possible but also some showers and patchy mist or perhaps fog may form.

Chance of cloud-free hill tops above 800m: Almost nil through the day, becoming 60% in evening

Low cloud and visibility: Moderate or poor in rain, but very poor on most slopes with extensive cloud above 400 or 500m and some patches lower down, especially in west. Becoming mainly good in evening beneath scattered or broken cloud above 500-700m.

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Met Office Mountain Weather Forecast

Forecast for Sunday 13 Feb 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	31/41 SW	28/36 SW	21/28 S	27/35 SE	34/45 S	18/26 SW	17/24 W	17/24 NW	17/24 NW
600	26/36 SW	24/34 SW	20/29 S	20/29 SE	28/40 S	17/26 SW	15/21 W	14/21 NW	14/21 NW
300	11/29 SW	10/27 SW	10/23 S	8/24 SE	13/32 S	10/21 SW	9/19 W	8/18 NW	8/18 NW
Valley	11/25 SW	10/24 SW	10/21 S	6/18 SE	12/28 S	8/16 E	8/17 NW	9/17 NW	10/18 NW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	2/-5	2/-5	2/-4	2/-5	3/-4	2/-3	1/-4	0/-6	-0/-6
600	4/-2	4/-2	4/-1	4/-1	4/-2	4/-1	3/-1	2/-3	2/-3
300	6/2	6/2	6/2	6/3	6/2	6/3	5/2	4/1	4/0
Valley	7/5	7/4	7/5	8/6	8/5	8/5	6/4	6/3	6/3
Freezing Level*	1100m	1200m	1200m	1300m	1500m	1400m	1300m	1100m	1000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A mild, but wet day with difficult conditions due to soggy ground and fast flowing river courses and possibly some flooding. Also quite windy at height so note the cold feeling on the tops despite mild temperatures and possibly a severe chill on summits later with colder temps and fresher winds again.

Forecast for Monday 14 Feb 2022

Weather: Cloud thickening overnight to bring heavy, showery rain by the morning, but falling as snow on the summits. Then a wet start with summit snow but becoming drier through the morning with more scattered showers by the afternoon, though these turning wintry to lower levels. Showers mostly dying out by the evening with clear spells and a frost in evening, but some low cloud onto western slopes later

Maximum wind: Northwest 20, but perhaps 30 gust 40mph for a time in morning, West or southwest 20mph in evening

Chance of cloud-free hill tops above 800m: 20% at first, but 60% by the afternoon, 30% in west later.

Low cloud and visibility: Mostly good beneath cloud, but poor at times in rain and showers and very poor when in cloud, with generally extensive cloud at first above 450-600m, but mostly broken cloud 600-900m by the afternoon.

Temperature: **Valleys:** Plus 5 C rising to plus 7 or 8 C, but falling to zero C later
At 800m: Plus 1 C falling to minus 2 C in morning then to minus 4 or 5 C by evening.
Freezing level: 900m falling to 700m in morning, then lowering to 500m

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Saturday 12 February 2022. Location: Helvellyn summit at 12:25 Full report: Fresh snow fell overnight & settled above 600m adding to existing accumulations. Depth rises with height although actual depth encountered varies considerably from virtually nothing on windswept areas – such as parts of the summit plateau – to drifts of 60cm with a very rough average of 10cm at 900m. The snow has been deposited on predominantly SW winds so the greatest accumulations are to be found in sheltered spots and hollows and on N through to E facing aspects. In these same areas above 800m, and especially above 850m, some patches of old, hard snow that has undergone some freeze/thaw cycles can also be found. Apart from some of these older snow patches, all the snow encountered today was soft and very wet. Despite the summit temperature at midday being only marginally above freezing, there was persistent, frequently heavy, rain falling at all levels thawing the snow, water-logging the ground and making any water crossings challenging. The soft snow also made any scrambling routes/sections of paths extremely slippery especially as the snow was so soft & wet that crampons/microspikes could not be used. An ice axe, though, was extremely useful. The summit plateau was covered in old ice sometimes overlaid with puddles of rainwater which, obviously, was helping to thaw it. However, the presence of this ice combined with storm force winds made for challenging walking conditions on this flatish ground. Full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment - including torch, map & compass - are all essential for anyone venturing out onto the high fells. Along with persistent rain, there were storm force winds today and, at the time of writing, similar conditions are forecast for Sunday. Walkers out on Sunday should take this into consideration and plan routes accordingly. For example the crosswind on Striding Edge today made progress slow and 3 points of contact with the rock frequently essential – especially given the slippery nature of the soft snow and/or the wet rock. Sunday could be a day for crawling around the pubs rather than crawling on exposed, wind blown rocks!! However, for those venturing out above the snowline and attempting, or traversing, steep slopes – such as the exits to Striding and Swirral Edges which both have banks of unavoidable snow guarding their exits - an ice axe is essential and, despite the soft snow encountered today, crampons should be carried in case the snow freezes and hardens. Similarly microspikes and walking poles are strongly recommended for anyone walking above the snowline in case the saturated ground freezes. Goggles could well be useful in case the precipitation falls as snow/hail at altitude. Temperature: plus 0.8 C, Maximum wind speed 56.4 mph, Wind chill: minus 10.5 C, Average wind speed: 47.5mph.

Issued at: 1039 on Sat 12 Feb 2022

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